

DUCTO

HELICAL
EXTRACTOR FAN
User's Manual

www.electrocornwall.com

USE OF THE EXTRACTORS

Fans are designed for ventilation of domestic and similar premises (apartments, offices, stores, garages, kitchens, bathrooms, toilets and other rooms, heated in wintertime).

The DUCTO series can be used for both air extraction and injection and should be installed in ducts. The design of the extractors allows for uninterrupted operation when required

SUPPLIED ACCESSORIES

The following items are included with the product:

- Extractor.
- User Manual.
- Packaging box.

GENERAL SPECIFICATIONS

The identification of the extractors, their schematic representation, dimensions, and design characteristics are provided on the following pages.

The noise level at a distance of 3 meters does not exceed 40 dBA.

The extractors have been designed to operate at temperatures from 0° C to 45° C.

The extractors have a minimum lifespan of 5 years.

The levels of protection against access to hazardous parts and waterproofing are as follows: IPX4.

The connection of extractors supplied without a power cord and the replacement of damaged power cords must be carried out by an authorized technician.

The use of extractors is prohibited in environments with temperatures exceeding the specified operational range, as well as in rooms with flammable or explosive atmospheres.

CAUTION! Extractors should not be operated when there are obstacles in the airflow that may cause damage or obstruct the blades or fans. Measures should be taken to prevent the backflow of gases into the room from sources with an open gas flow or other fuel-burning appliances.

	V/Hz	W	A	r.p.m	m3/h	dB(A) 3m	kg
Ducto1 - 100 ø	220-240/50	14	0,085	2300	107	36	0,41
Ducto2 - 125 ø	220-240/50	16	0,1	2400	190	38	0,43
Ducto3 - 150 ø	220-240/50	30	0,13	2400	305	40	0,80

PREPARATION FOR OPERATION OF THE DEVICE

CAUTION! All connection and maintenance work must be performed only after disconnecting the extractor.

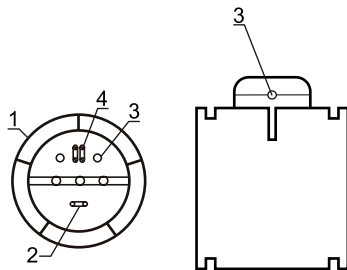
The connection of the extractor to the power supply must be made only through a switch with a minimum distance of 3 mm between poles.

The discharge direction is indicated by arrows on the device's nameplate.

Ducto extractors must be mounted between ducts, securing them with clamps.

When necessary, ensure that free access to the fan blade and the extractor's electrical parts from the suction side is blocked using the grille, cover, or another protective element provided with the device.

- Remove the cover.
- Pass the power cable through the opening (3).
- Insert the two ends of the cable into the free terminals of the connector block (4) and tighten the respective screws.
- Secure the power cable with the clamp (2).
- Replace the cover.



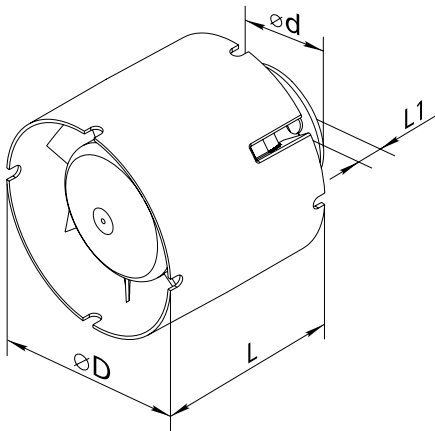
- 1 Housing
- 2 Clamp for power cable
- 3 Openings for cable passage
- 4 Connector block

MAINTENANCE

Maintenance of the extractor should only be performed with the power disconnected. Maintenance mainly consists of cleaning the extractor surfaces to remove dirt and dust. Cleaning should be done with a soft cloth slightly dampened with a soapy solution. The device should then be allowed to dry.

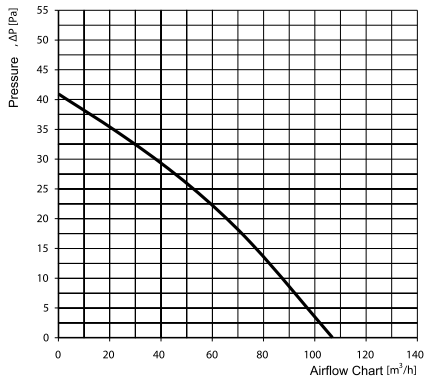
STORAGE

The extractor should be stored in its original box, at temperatures between 5°C and 40°C, with a relative air humidity of 80% (measured at 25°C).

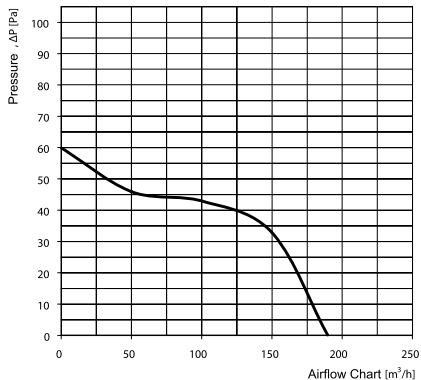


	$\varnothing D$	$\varnothing d$	L	$L1$
Ducto1 - 100 \varnothing	100	59	85	28
Ducto2 - 125 \varnothing	125	59	90	28
Ducto3 - 150 \varnothing	150	59	100	28

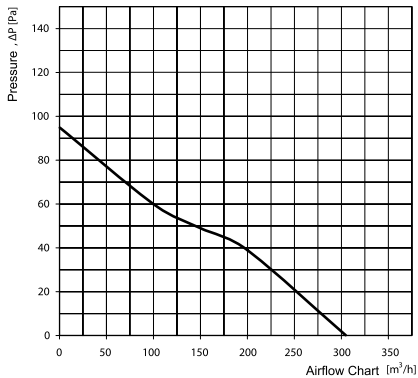
Pressure/Airflow Chart



DUCTO1



DUCTO2



DUCTO3

